

IN THE CLAIMS:

Please cancel claims 5 and 30.

Please substitute the following claims 1, 6-9, 25, and 31-34 for the pending claims 1, 6-9, 25, and 31-34:

A1 1. (Once Amended) A method for transmitting data by a first communication device, the method comprising steps of:

receiving, from a second communication device, a message that comprises socket information and that requests an establishment of a connection based on the socket information, and wherein the socket information comprises destination information;

translating the message requesting an establishment of a virtual connection to a connection request;

routing the connection request to the destination identified by the socket information, wherein a virtual connection is established based on the connection request;

receiving, from the second communication device, a data packet that comprises a payload and does not include at least a portion of the socket information;

generating a header that comprises missing socket information;

adding the header to the payload to produce a modified data packet; and

routing the modified data packet to the identified destination.

A2 6. (Once Amended) The method of claim 1, wherein the step of adding a header that comprises missing socket information comprises a step of adding a header that corresponds to at least a portion of a TCP/IP (Transmission Control Protocol/Internet Protocol) suite.

7. (Once Amended) The method of claim 1, wherein the header is based on the socket information included in the message.

8. (Once Amended) The method of claim 1, wherein the header is based on packet data convergence protocol (PDCP) context.

A2 9. (Once Amended) The method of claim 1, wherein the header is based on configuration information.

A3 25. (Once Amended) A communication device capable of operating in a fixed infrastructure of a wireless communication system, the communication device having a processor capable of receiving a message from a different communication device, wherein the message comprises socket information and requests an establishment of a connection based on the socket information, and wherein the socket information comprises destination information, translating the message requesting an establishment of a virtual connection to a connection request, routing the connection request to the destination identified by the socket information, wherein a virtual connection is established based on the connection request, receiving, from the different communication device, a data packet that comprises a payload and does not include at least a portion of the socket information, generating a header that comprises missing socket information, adding the header to the payload to produce a modified data packet, and routing the modified data packet to the identified destination.

A4 31. The communication device of claim 25, wherein the header is based on the socket information included in the message.

32. The communication device of claim 25, wherein the header is based on packet data convergence protocol (PDCP) context.

33. The communication device of claim 25, wherein the header is based on configuration information.

34. The communication device of claim 25, wherein the addition of a header comprises adding headers corresponding to a TCP/IP (Transmission Control Protocol/Internet Protocol) suite.

Respectfully submitted,

Robert D. Battin et al.

By: 

Steven A. May

Attorney for Applicants

Registration No. 44,912

Phone No.: 847/576-3635

Fax No.: 847/576-3750